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AMENDMENTS TO THE CLAIMS

1. (currently amended) A method for cleaning industrial lubricants used in industrial processes, the method comprising providing a centrifugal separator apparatus connected as a bypass or in-line filter in the a lubricating or washing fluid tank, the apparatus including a centrifugal separator having a casing and a rotor rotatably mounted in the casing, a centrifugal pump provided between the tank and the an inlet of the separator, and a source of compressed air provided connected to the casing of the separator, some of the fluid from the tank being pumped by the centrifugal pump into the separator to cause the rotor to rotate and impinge the fluid on the casing at a rotational force of in a range of between about 1000g and about 2000g and clean the fluid, the cleaned fluid being returned to the tank, a control panel monitoring the operation of the separator and controlling the pump and source of compressed air to maintain the rotational force of the separator within the range of about 1000g to about 2000g.

2. (currently amended) A centrifugal separator apparatus for use as a bypass or in-line filter in cleaning fluid utilized in industrial applications, the apparatus comprising a centrifugal separator having a casing and a rotor rotatably mounted in the casing, a centrifugal pump between the a cleaning fluid tank and the an inlet of the separator for pumping some of the fluid from the tank into the separator to cause the rotor to rotate at a speed sufficient to provide a rotational force of the fluid impinging on the casing in a range of between about 1000g and about 2000g to thereby clean the fluid, a source of compressed air connected to the casing of the separator for maintaining the volume of air in the casing, and a control panel for monitoring the operation of the separator and for controlling the pump and source of compressed air to maintain the rotational force of the separator within the range of about 1000g to about 2000g.

3. (new) A method for cleaning industrial lubricants according to claim 1 wherein the apparatus includes more than one centrifugal separator with the inlets of the separator^s connected to an inlet manifold and the outlets^{of the separators} connected to an outlet manifold.

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4. (new) A method for cleaning industrial lubricants according to claim 1 wherein the tank comprises a sloping bottom which slopes in both linear directions of the tank to provide a low point at one corner of the tank where the inlet to the centrifugal separator is located.

5. (new) A centrifugal separator apparatus according to claim 2 wherein the apparatus includes more than one centrifugal separator with the inlets of the centrifugal separators connected to an inlet manifold and the outlets connected to an outlet manifold.

at the separators

6. (new) A centrifugal separator apparatus according to claim 2 wherein the tank comprises a sloping bottom which slopes in both linear directions of the tank to provide a low point at one corner of the tank where the inlet to the centrifugal separator is located.